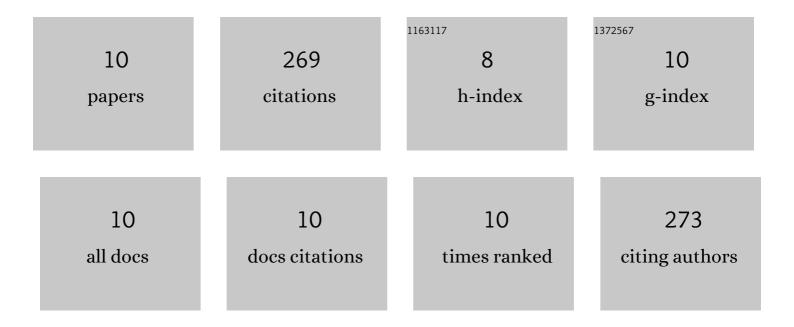
Lucile Dezerald

List of Publications by Year in descending order

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LUCILE DEZERALD

#	Article	IF	CITATIONS
1	Plastic anisotropy and dislocation trajectory in BCC metals. Nature Communications, 2016, 7, 11695.	12.8	119
2	Stability of self-interstitial clusters with C15 Laves phase structure in iron. Journal of Nuclear Materials, 2014, 449, 219-224.	2.7	35
3	Non-glide effects and dislocation core fields in BCC metals. Npj Computational Materials, 2019, 5, .	8.7	31
4	Cement As a Waste Form for Nuclear Fission Products: The Case of ⁹⁰ Sr and Its Daughters. Environmental Science & Technology, 2015, 49, 13676-13683.	10.0	19
5	Electronic Structure Calculations of Oxygen Atom Transport Energetics in the Presence of Screw Dislocations in Tungsten. Metals, 2019, 9, 252.	2.3	17
6	Simulating the mechanisms of serrated flow in interstitial alloys with atomic resolution over diffusive timescales. Nature Communications, 2020, 11, 1227.	12.8	16
7	Production of H2 by water radiolysis in cement paste under electron irradiation: A joint experimental and theoretical study. Cement and Concrete Research, 2017, 100, 110-118.	11.0	13
8	Ab initio informed yield criterion across body-centered cubic transition metals. Acta Materialia, 2022, 236, 118098.	7.9	9
9	Screw dislocations in BCC transition metals: from ab initio modeling to yield criterion. Comptes Rendus Physique, 2021, 22, 83-116.	0.9	7
10	Using first-principles calculations to predict the mechanical properties of transmuting tungsten under first wall fusion power-plant conditions. Journal of Physics Condensed Matter, 2021, 33, 345901.	1.8	3